

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (currently amended) A portable preservation apparatus of the cold storage type for a donor organ, comprising:

~~a cooling box;~~

~~a package;~~

~~an organ chamber in the cooling box for receiving the package containing a donor organ in preservative fluid;~~

~~a lid for the cooling box having a side which operatively faces the organ chamber;~~

~~at least one perfusion pump mounted at least partly in the lid;~~

~~a connector detachably connected to the lid on the side of the lid which operatively faces the organ chamber, the connector and the package being arranged for removably and sealedly fastening the connector to the package, which connector is provided with passages, one or more connecting pieces for connection with a donor organ in the package and extending through one or more of the passages and with one or more fluid pipes connected with the at least one perfusion pump;~~

~~at least one oxygenator;~~

~~an oxygen container;~~

~~one or more electronic modules; and~~

~~a power supply module~~

(a) a cooling box having a lid, said cooling box having an interior surface;

(b) a package for containing a donor organ in preservation fluid;

(c) at least one perfusion pump mounted at least partly in the lid;

(d) a connector;

(e) at least one oxygenator for oxygenating preservation fluid;

(f) an oxygen container for supplying oxygen to the oxygenator;

(g) one or more electronic modules for controlling the perfusion pump; and

(h) a power supply module for supplying power to the apparatus;

wherein the cooling box has an organ chamber for receiving the package, the lid of the cooling box having a side which operatively faces the organ chamber, the connector being detachably connected to the lid on the side of the lid which operatively faces the organ chamber, the package being detachably and sealingly connected to the connector and extending from the

connector in the organ chamber, the connector being provided with one or more passages to permit preservation fluid in the package to be pumped by the perfusion pump, the connector and the package being configured and sealed so that preservation fluid in the package will not contact (1) the interior surface of the cooling box and (2) the lid.

2. (currently amended) A portable preservation apparatus according to claim 1, wherein ~~that~~ the connector has the form of a container open on one side, and is provided with fastening elements which can cooperate with fastening elements provided to the lid for fastening the connector to the lid in such a detachable manner that the open side of the container faces the lid, while the one or more passages are located in an otherwise closed wall facing the organ chamber.

3. (currently amended) A portable preservation apparatus according to claim 1, wherein the at least one oxygenator, at least the part of the at least one perfusion pump coming into contact with the preservative fluid and the corresponding fluid pipes are mounted in the connector, so that, together with the said at least one oxygenator, said at least part of the at least one perfusion pump coming into contact with the preservative fluid and said corresponding fluid pipes, the connector forms a single-use replacement part.

4. (previously presented) A portable preservation apparatus according to claim 1, wherein the at least one perfusion pump is a pump with a detachable driving motor, which driving motor is, in mounted condition, located on the side of the lid for the cooling box facing away from the connector and is detachably connected with the remaining part of the pump via an opening in the lid for the cooling box, which remaining part of the pump is mounted in the connector.

5. (previously presented) A portable preservation apparatus according to claim 1, wherein the lid for the cooling box is provided with at least one of the one or more electronic modules and/or the oxygen container.

6. (previously presented) A portable preservation apparatus according to claim 1, wherein the one or more electronic modules comprises a minicomputer for controlling the pumping action of the at least one perfusion pump and the displaying of relevant data.

7. (previously presented) A portable preservation apparatus according to claim 6, further

including a cover on the lid, which cover at least partly forms a window of a display screen of the minicomputer.

8. (currently amended) A portable preservation apparatus according to claim 1, wherein, on the outside of the connector, near ~~the~~ a wall of the connector facing the organ chamber, the connector is provided with a number of circumferential grooves and/or ribs for fastening an organ bag.

9. (cancelled)

10. (new) A portable preservation apparatus according to claim 1, wherein the connector has the form of a container open on one side, said open side facing the lid, said perfusion pump comprising a pump motor and a pump head, said pump head and said at least one oxygenator being mounted in said container.

11. (new) A portable preservation apparatus according to claim 1, wherein said perfusion pump comprises a pump motor and a pump head, said apparatus being configured so that preservation fluid in the package will contact said pump head but will not contact said pump motor.